INTRODUCTION TO HTML

HTML TAGS (ELEMENTS)

Tag Name

Tag Name

`<p> </p>`

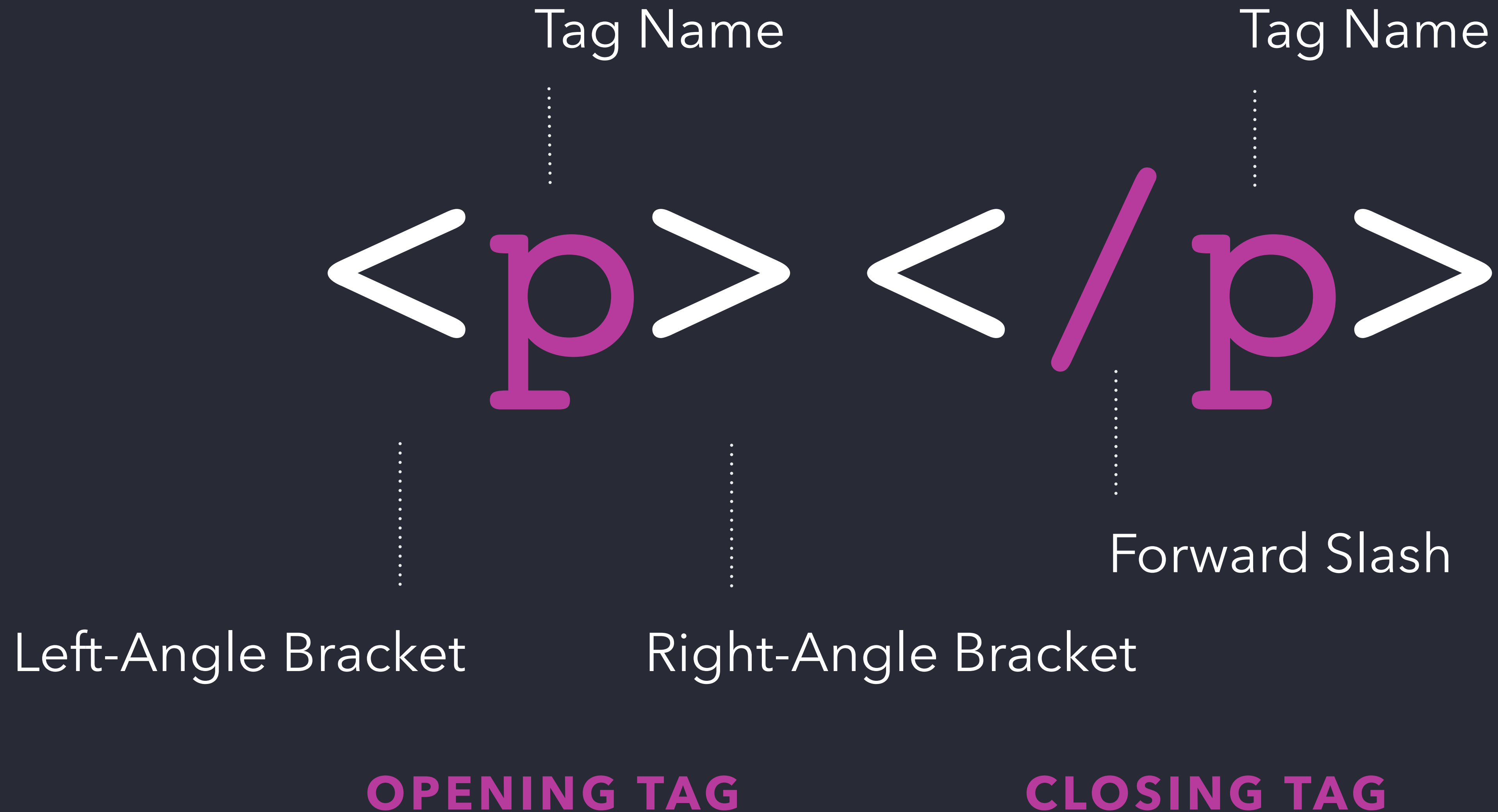Left-Angle Bracket

Right-Angle Bracket

Forward Slash

OPENING TAG

CLOSING TAG

CONTENT GOES BETWEEN TAGS

```
<p>Lorem ipsum dolor.</p>
```

ATTRIBUTES TELL US MORE ABOUT AN HTML ELEMENT

Attribute Name

```
<a href="http://google.com">Google</a>
```

Attribute Value

LEARNING HTML

Learning a list of tags/elements

Learning how those elements are used

These tags are known as "markup"

SEMANTIC MARKUP

WHAT IS IT?

Set of elements, for example:

The `<em>` tag adds emphasis

`<blockquote>` contains a quote

WHY USE IT?

Provides structure and extra information about your content

Do **NOT** use it to alter presentation of those elements

APPLICATION

Screen readers can add emphasis to words in `<em>`

Search engines can find quotations in `<blockquote>`

HTML: PAGE STRUCTURE

CODE

```html
<!DOCTYPE html>

<html>

  <head>

    <title>Document Title</title>

  </head>

  <body>

    <h1>This is the Main Heading</h1>

    <p>This text might be an introduction to the rest of the page.</p>

    <h2>This is a Sub-Heading</h2>

    <p>Many long articles have sub-headings to help you follow the structure.</p>

  </body>

</html>
```

HEAD & BODY

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<!DOCTYPE html>
<html>
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  </head>
  <body>
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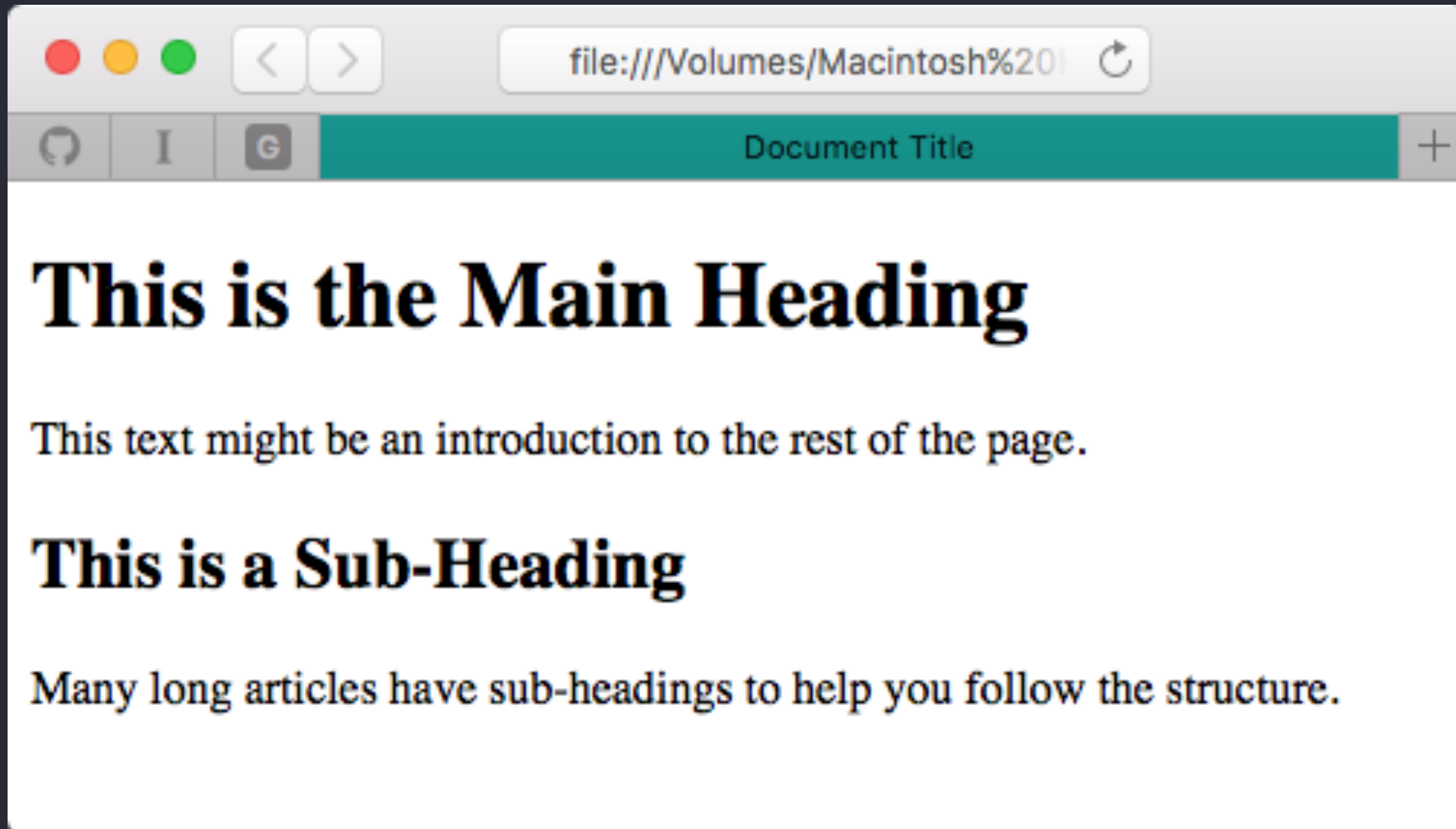
HEAD & BODY

Browser window with title bar showing "Document Title" and URL "file:///Volumes/Macintosh%20...".

This is the Main Heading

This text might be an introduction to the rest of the page.

This is a Sub-Heading

Many long articles have sub-headings to help you follow the structure.

HEADINGS

```
<h1>This is a Main Heading</h1>

<h2>This is a level 2 heading</h2>

<h3>This is a level 3 heading</h3>

<h4>This is a level 4 heading</h4>

<h5>This is a level 5 heading</h5>

<h6>This is a level 6 heading</h6>
```
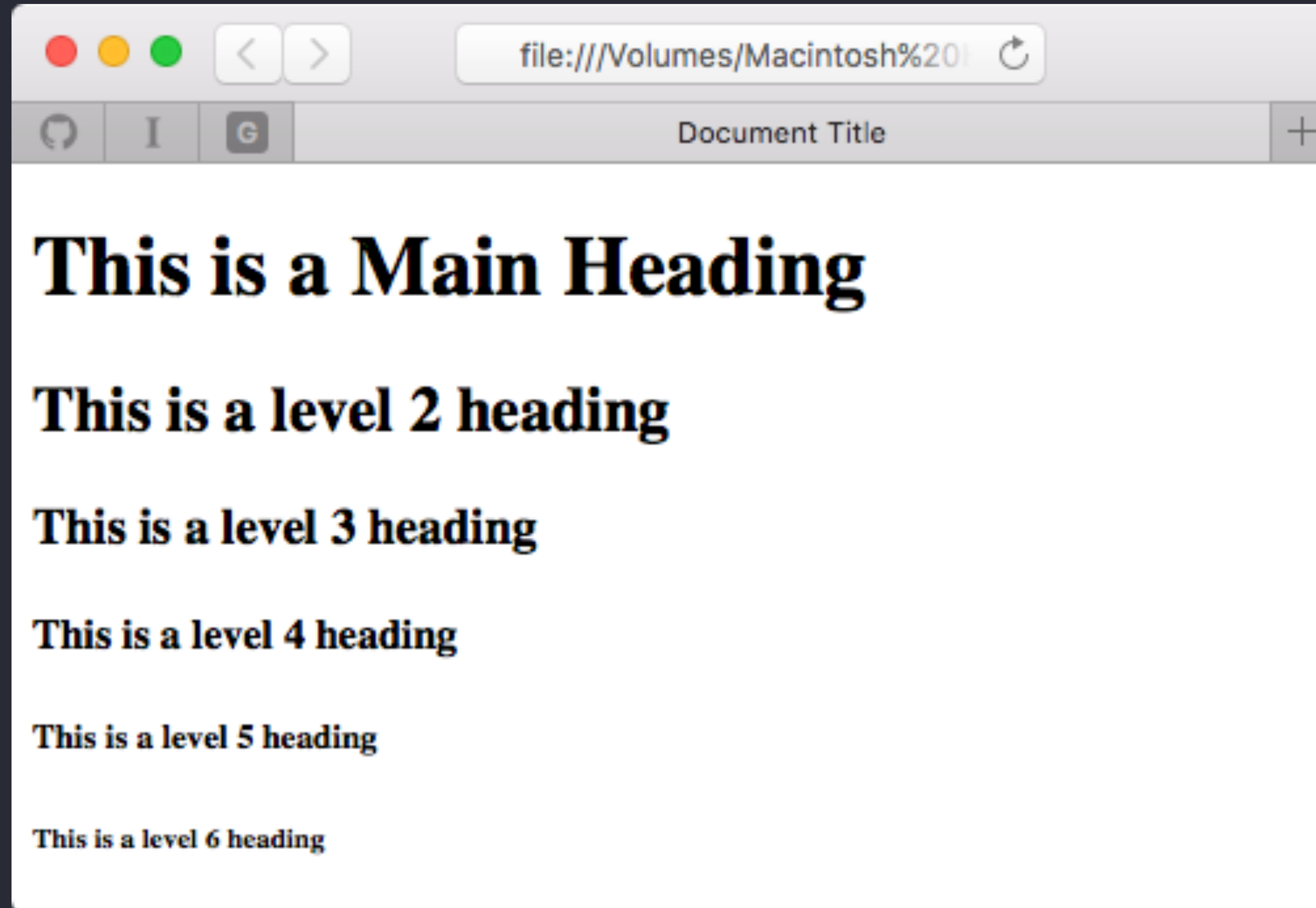
HEADINGS

PARAGRAPHS

```html
<p>A paragraph consists of one or more sentences that form a self-contained unit of discourse. The start of a paragraph is indicated by a new line.</p>

<p>Text is easier to understand when it is split up into units of text. For example, a book may have chapters. Chapters can have subheadings. Under each heading will be one or more paragraphs.</p>
```
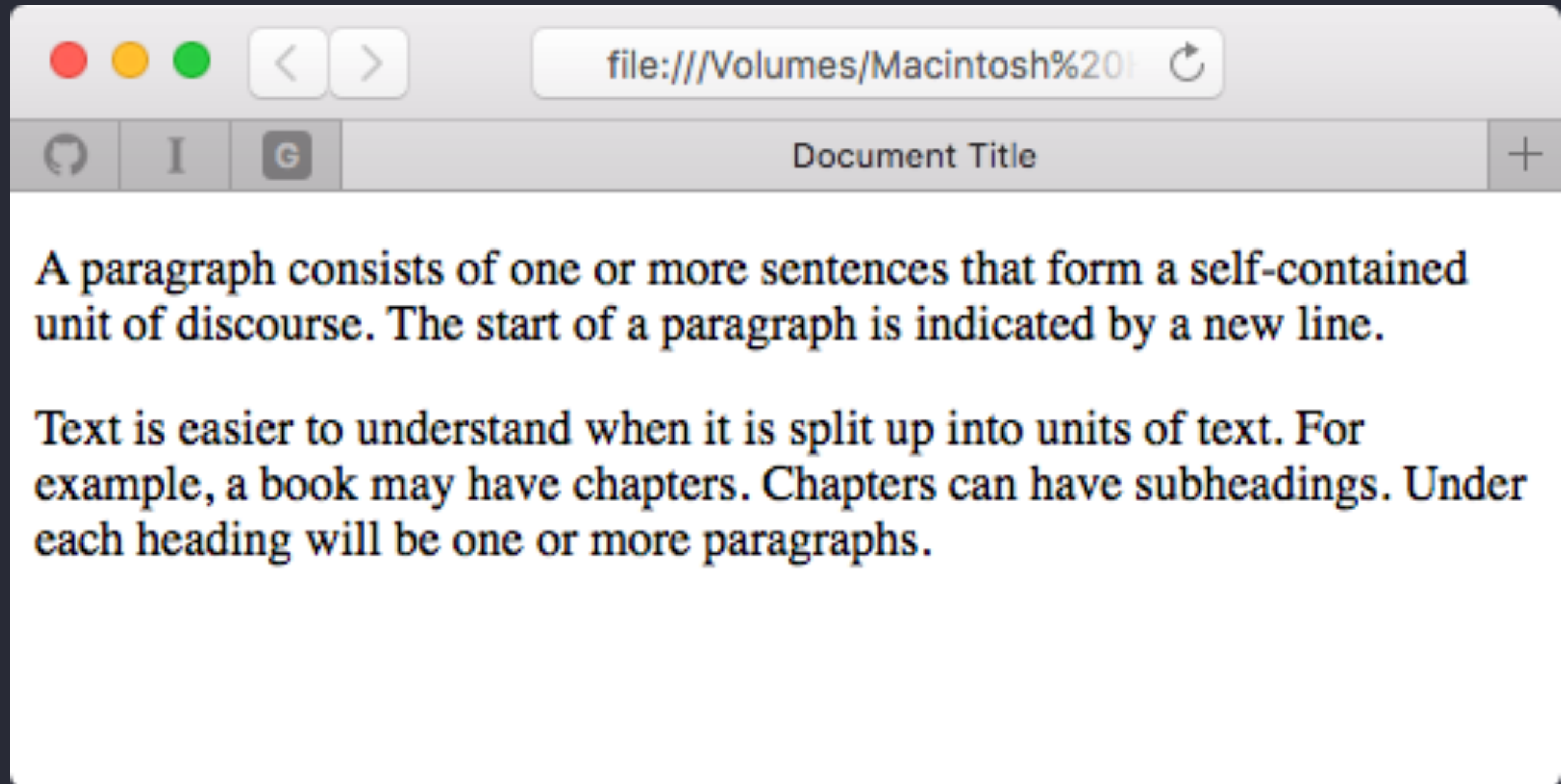
PARAGRAPHS

Document Title

A paragraph consists of one or more sentences that form a self-contained unit of discourse. The start of a paragraph is indicated by a new line.

Text is easier to understand when it is split up into units of text. For example, a book may have chapters. Chapters can have subheadings. Under each heading will be one or more paragraphs.

STRONG & EMPHASIS

```
<p><strong>Beware</strong> pickpockets operate in this area.</p>

<p>I <em>think</em> Ivy was the first.</p>

<p>I think <em>Ivy</em> was the first.</p>

<p>I think Ivy was the <em>first</em>.</p>
```
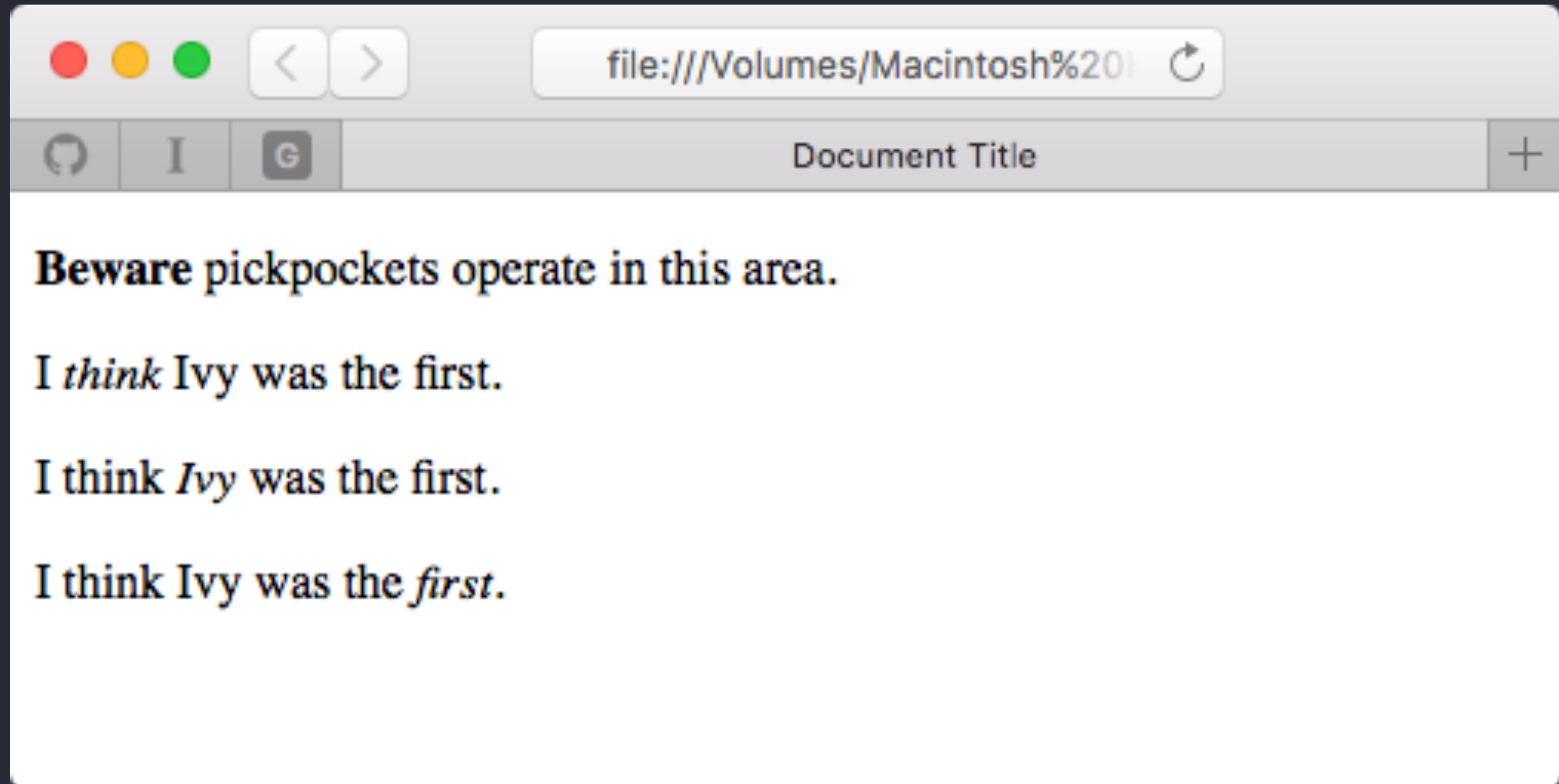
STRONG & EMPHASIS

Beware pickpockets operate in this area.

I *think* Ivy was the first.

I think *Ivy* was the first.

I think Ivy was the *first*.

QUOTATIONS

```html
<blockquote cite="http://en.wikipedia.org/wiki/Winnie-the-Pooh">
  <p>Did you ever stop to think, and forget to start again?</p>
</blockquote>


<p>As A.A. Milne said, <q>Some people talk to animals. Not many listen though.
That's the problem.</q></p>
```
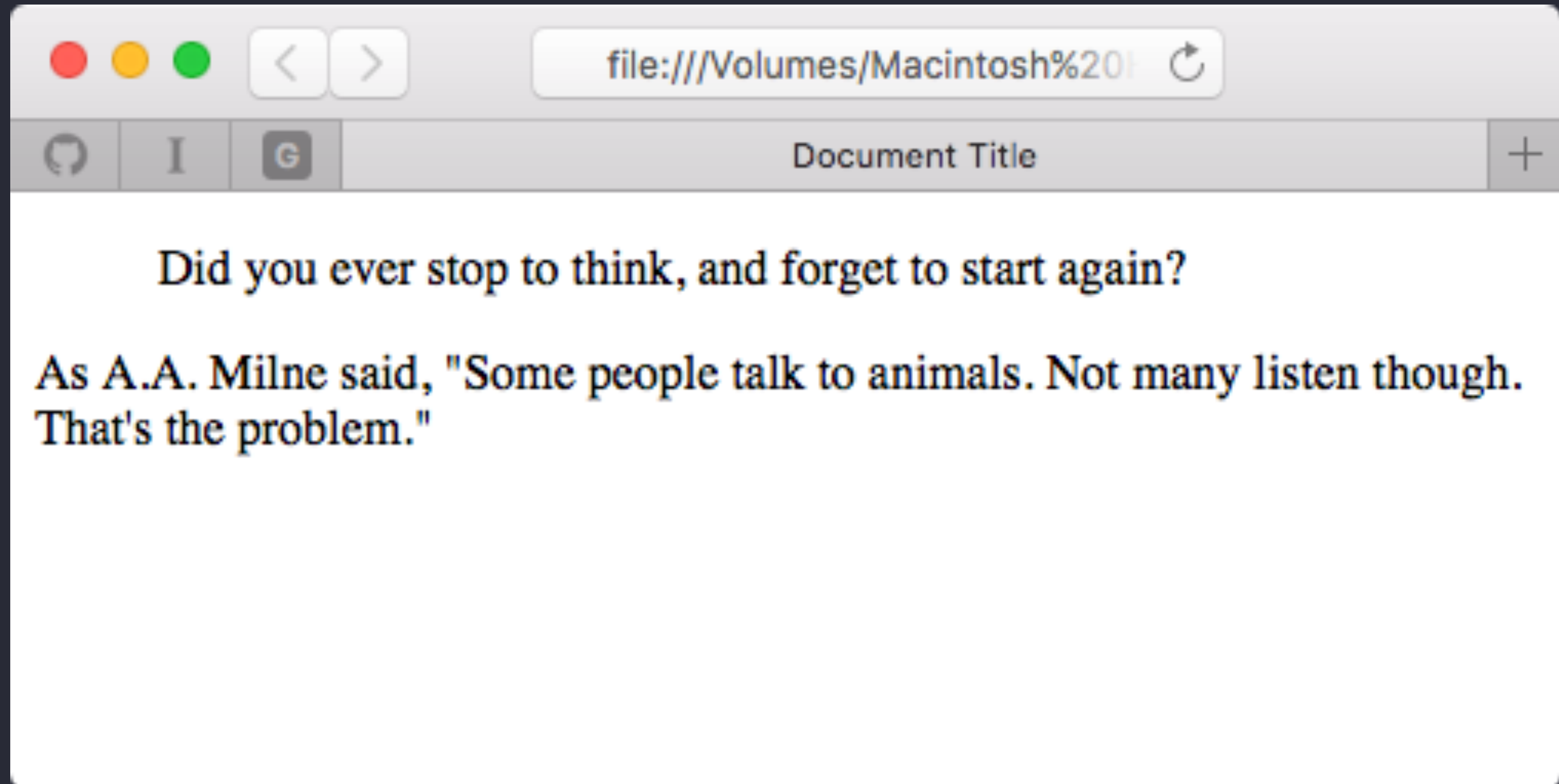
QUOTATIONS

Did you ever stop to think, and forget to start again?

As A.A. Milne said, "Some people talk to animals. Not many listen though. That's the problem."

LIST TYPES

ORDERED

1. Chop potatoes into quarters
2. Simmer in salted water
3. Heat milk and butter
4. Drain potatoes and mash
5. Mix in the milk mixture

UNORDERED

- 1kg King Edward potatoes
- 100ml milk
- 50g salted butter
- Freshly grated nutmeg
- Salt and pepper to taste

DEFINITION

Sashimi
    Sliced raw fish
Scale
    A device used to accurately measure weight

ORDERED LISTS (NUMBERED)

```html
<ol>

   <li>Chop potatoes into quarters</li>

   <li>Simmer in salted water for 15-20 minutes until tender</li>

   <li>Heat milk, butter and nutmeg</li>

   <li>Drain potatoes and mash</li>

   <li>Mix in the milk texture</li>

</ol>
```

ORDERED LISTS (NUMBERED)

1. Chop potatoes into quarters
2. Simmer in salted water for 15-20 minutes until tender
3. Heat milk, butter and nutmeg
4. Drain potatoes and mash
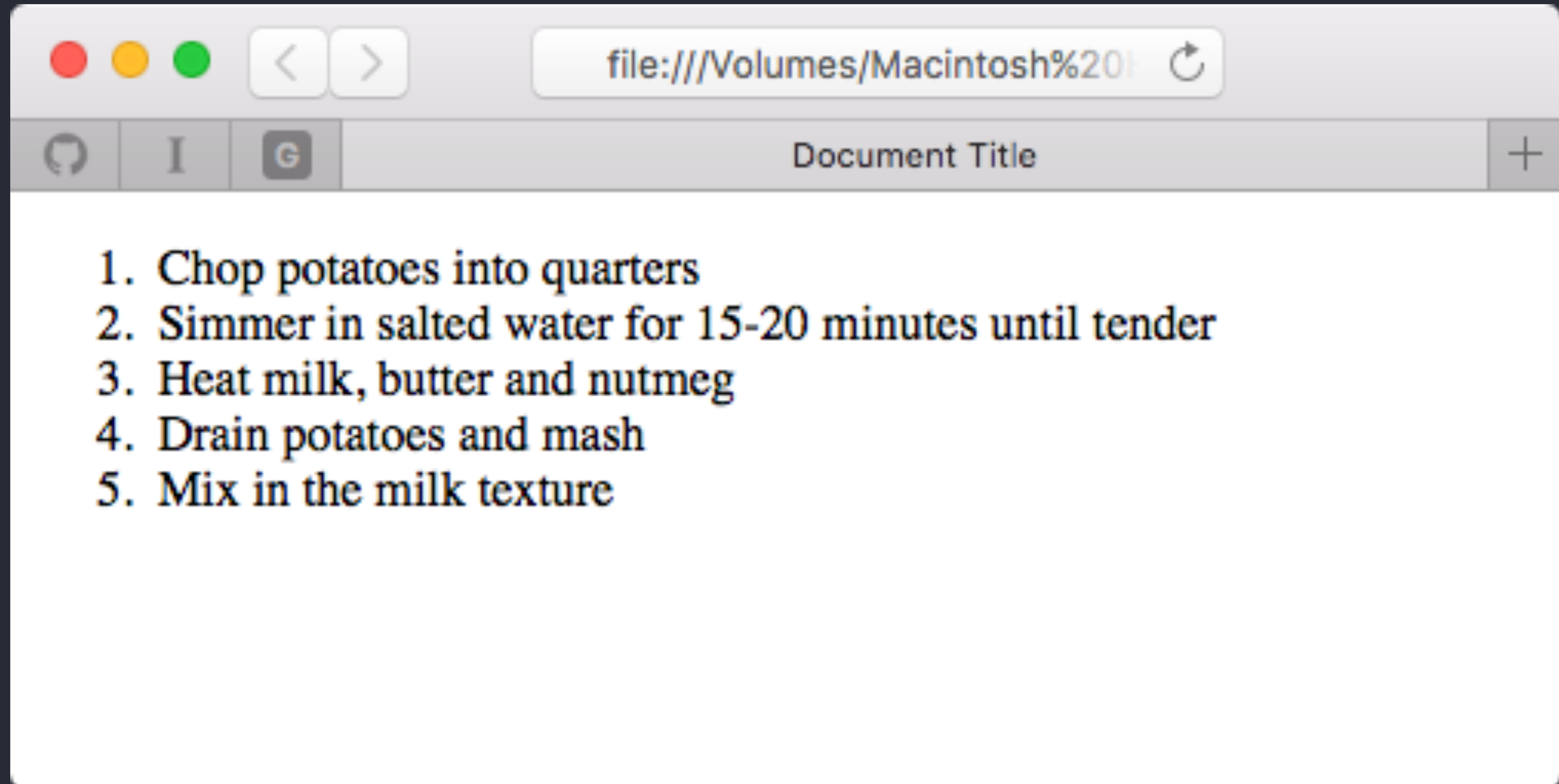5. Mix in the milk texture

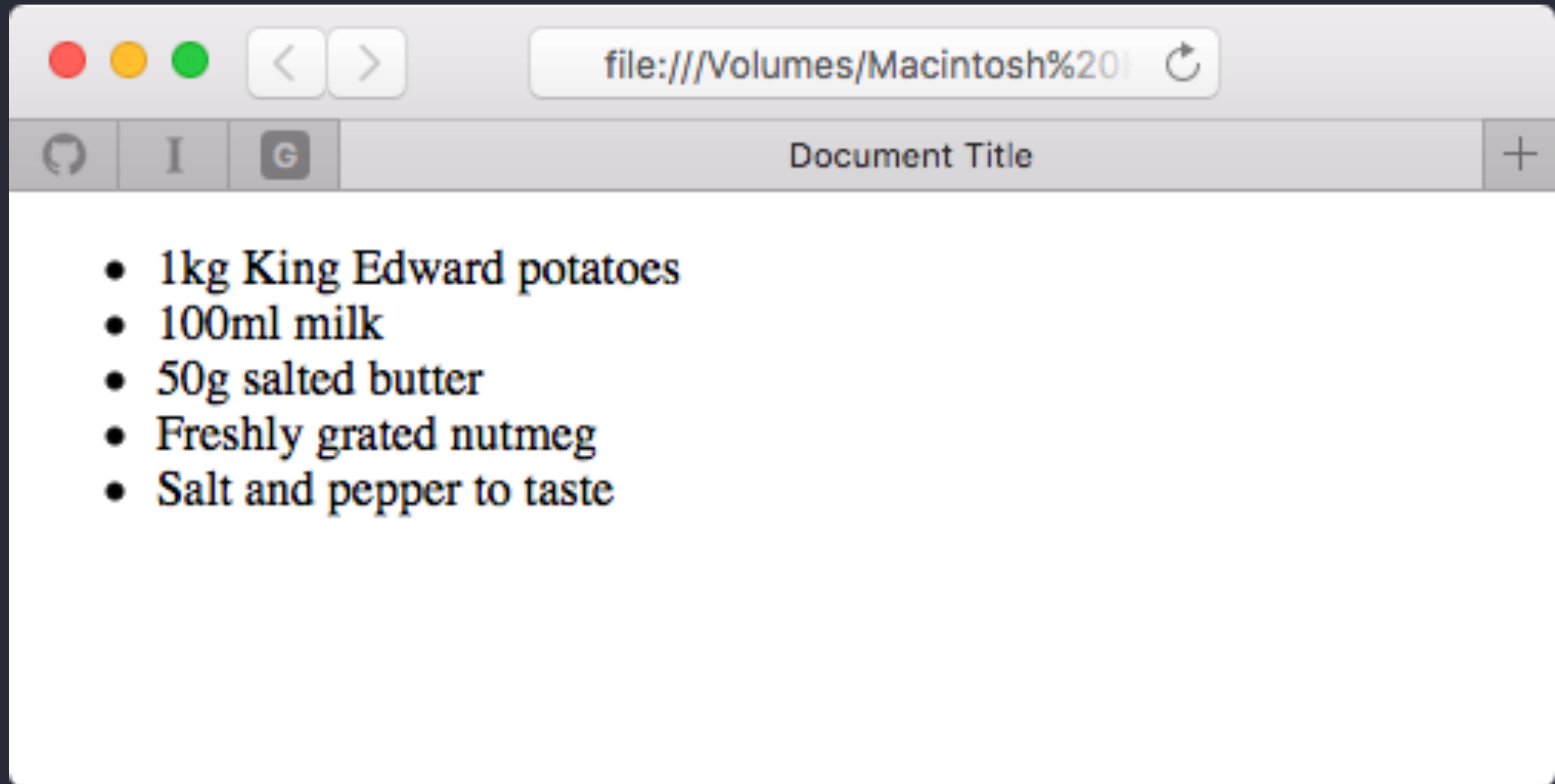# UNORDERED LISTS (BULLETS)

```
<ul>

   <li>1kg King Edward potatoes</li>

   <li>100ml milk</li>

   <li>50g salted butter</li>

   <li>Freshly grated nutmeg</li>

   <li>Salt and pepper to taste</li>

</ul>
```

UNORDERED LISTS (BULLETS)

- 1kg King Edward potatoes
- 100ml milk
- 50g salted butter
- Freshly grated nutmeg
- Salt and pepper to taste

DEFINITION LIST

```html
<dl>

  <dt>Sashimi</dt>

  <dd>Sliced raw fish served with condiments.</dd>

  <dt>Scale</dt>

  <dd>Device used to measure the weight of ingredients.</dd>

  <dd>A technique by which the scales are removed from the skin of fish.</dd>
</dl>
```
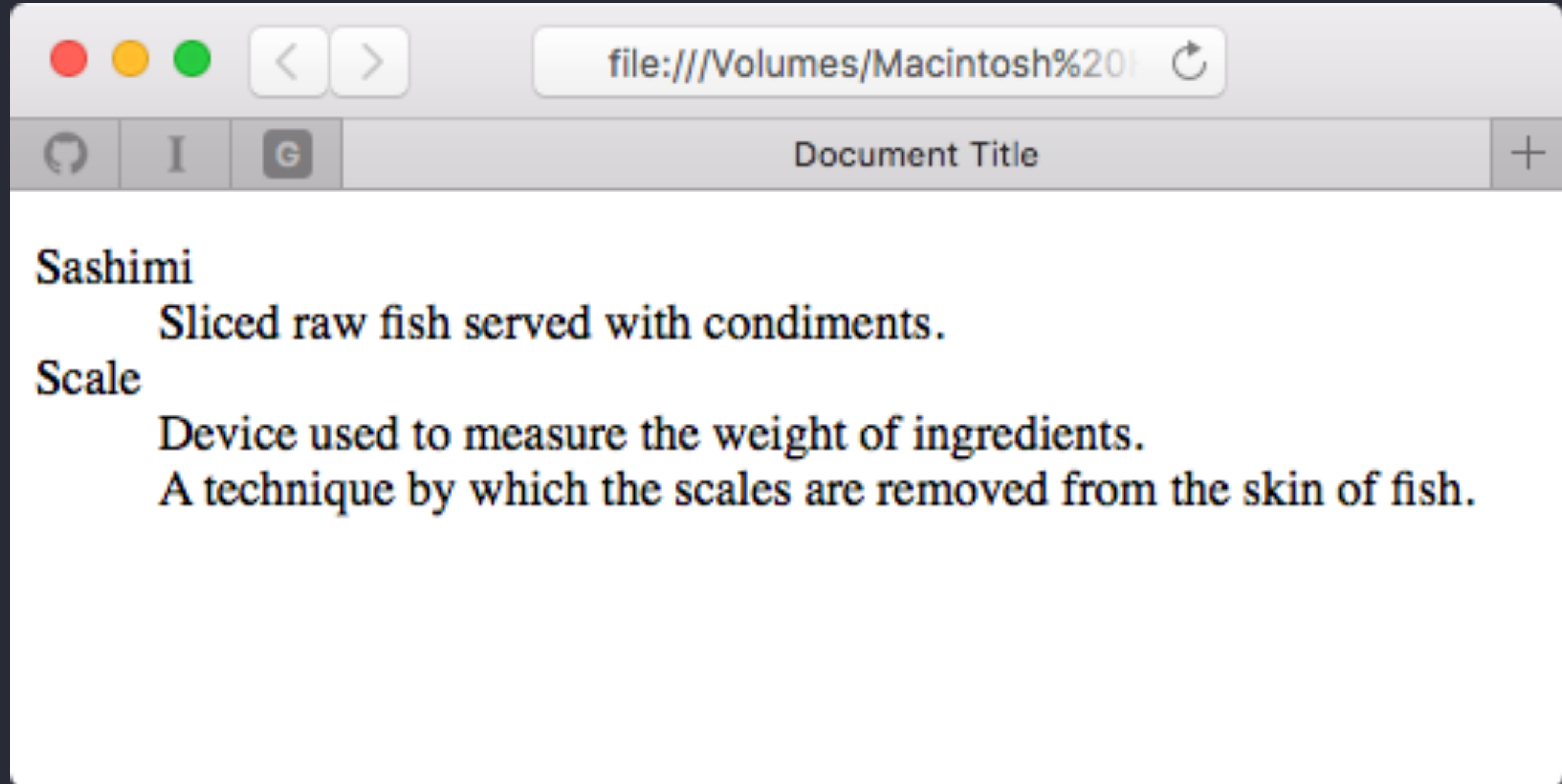
DEFINITION LIST

Sashimi
    Sliced raw fish served with condiments.
Scale

    Device used to measure the weight of ingredients.
    A technique by which the scales are removed from the skin of fish.

NESTED LIST

```html
<ul>

  <li>Mousses</li>

  <li>Pastries

    <ul>

      <li>Croissant</li>

      <li>Milles-feille</li>

      <li>Palmier</li>

      <li>Profiteroles</li>

    </ul>

  </li>

  <li>Tarts</li>

</ul>
```

NESTED LIST

```html
<ul>
  <li>Mousses</li>
  <li>Pastries
    <ul>
      <li>Croissant</li>
      <li>Milles-feille</li>
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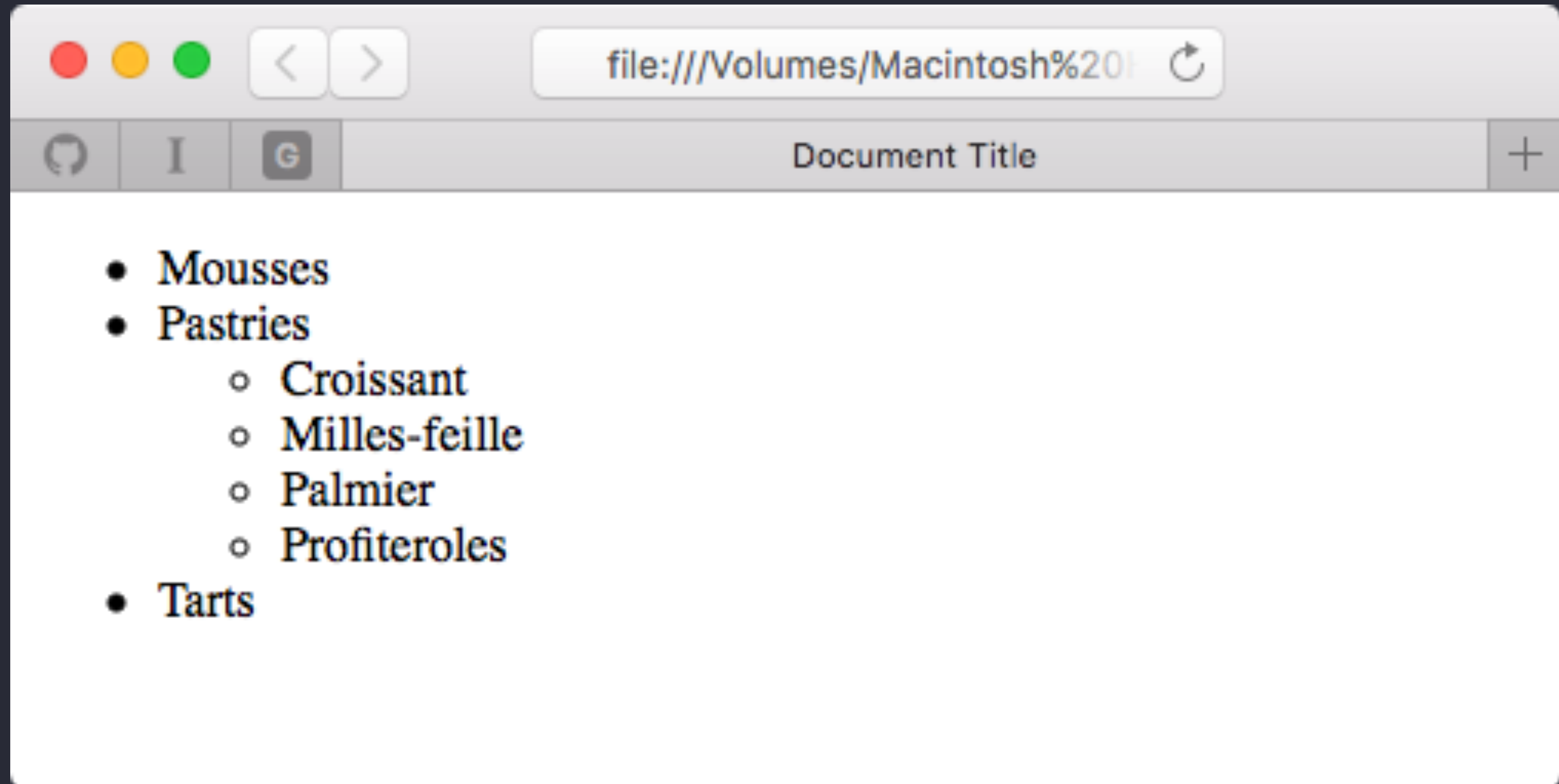
NESTED LIST

- Mousses
- Pastries
  - Croissant
  - Milles-feille
  - Palmier
  - Profiteroles
- Tarts

CONTAINERS

```html
<div class="article">

  <h2>Japanese Vegetarian</h2>

  <h3>Five week course in London</h3>

  <p>A five week introduction to traditional Japanese...</p>
</div>
```

CONTAINERS

```html
<div class="article">

  <h2>Japanese Vegetarian</h2>

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  <p>A five week introduction to traditional Japanese...</p>

</div>
```

HTML5 ELEMENTS

HTML5 ELEMENTS

```
<body>

<div id="page">
<main>

    <header>"header">
    <div id="header">

        <div>id="nav">
        <nav>

    <div id="content">

        <div class="article">
        <article>

        <div class="article">
        <article>

                                        <div id="sidebar">
                                        <aside>

    <div>"footer">
    <footer>
```

HEADER

```html
<header>

  <h1>Yoko's Kitchen</h1>

  <nav>

    <ul>

      <li><a href="#">Home</a></li>

      <li><a href="#">Classes</a></li>

      <li><a href="#">Catering</a></li>

      <li><a href="#">About</a></li>

      <li><a href="#">Contact</a></li>

    </ul>

  </nav>

</header>
```

FOOTER

```
<footer>

  &copy; 2018 Yoko's Kitchen

</footer>
```

NAV

```html
<nav>
  <ul>
    <li class="selected"><a href="#">Home</a></li>
    <li><a href="#">Classes</a></li>
    <li><a href="#">Catering</a></li>
    <li><a href="#">About</a></li>
    <li><a href="#">Contact</a></li>
  </ul>
</nav>
```

ARTICLE

```html
<article>

  <figure>

    <img src="bok-choi.jpg" alt="BokChoi">

    <figcaption>Bok Choi</figcaption>

  </figure>

  <h2>Japanese Vegetarian</h2>

  <h3>Five week course in London</h3>

  <p>A five week introduction to traditional Japanese...</p>

</article>
```

ASIDE

```html
<aside>

  <h2>Popular Recipes</h2>

  <ul>

    <li><a href="#">Yakitori</a></li>

    <li><a href="#">Tsukune</a></li>

    <li><a href="#">Okonomiyaki</a></li>

    <li><a href="#">Mizutaki</a></li>

  </ul>

</aside>
```

SECTION

```html
<section class="ingredients">

  <h2>Ingredients</h2>

  <ul>

    <li>Onion</li>

    <li>Tomatoes</li>

  </ul>

</section>
```

CODE

QUESTIONS?